Dragon Eye

High-accuracy targeting system with minimal crew exposure

As an advanced firing system, Dragon Eye allows target detection, recognition and identification under extreme visibility and environmental conditions. Dragon Eye can quickly spot targets in both day and night, using multi-sensor cameras installed on armored personnel carriers (APC).

Fitted with sophisticated observation equipment, Dragon Eye identifies suspects in a wide range of areas of interest, both urban and rural. Once the targets have been spotted, Dragon Eye locks in on them and delivers a short and accurate burst of fire at an effective range of 1,500 meters, without exposing the crew to danger.

Dragon Eye is built on decades of experience in combat systems for armored vehicles and tanks and can be seamlessly integrated with any mobile or stationary remote control weapon system. Highly ruggedized and built to endure difficult battlefield conditions, Dragon Eye has been combat-proven to achieve mission success with fewer rounds, significantly enhancing performance.

Elbit Systems™ ISTAR

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Superb observation capabilities – For high performance accuracy, Dragon Eye utilizes a color day camera with continuous optical zoom, uncooled thermal sensor, eye-safe laser rangefinder (LRF), and an IR pointer see-spot day/night capabilities. The solution enables up to eight hours of video recording for post-mission debriefing.

Features

- Compact and closed system
- Resistant to water, sand and dust
- Can sustain up to a 12.7" caliber recoil
- Color day camera with continuous optical zoom
- Images fusion capability
- Eye - safe LRF
- IR pointer see-spot day/night capability
- Extended video recording time
- Adjustable video output
- Plug & Play capability via Ethernet interface

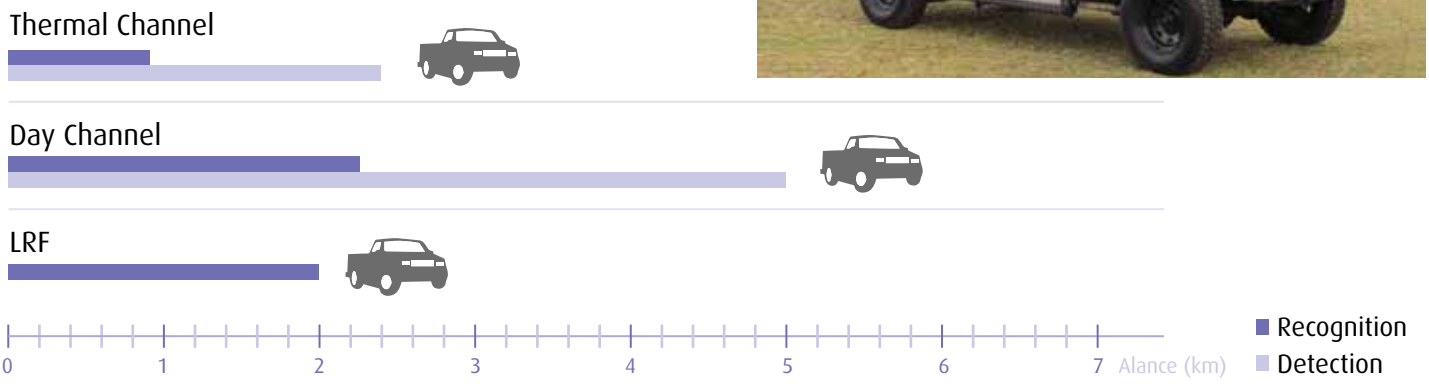
Benefits

- Targeting accuracy in difficult visibility and environmental conditions
- Minimizes crew exposure
- Integrated with any mobile or stationary remote-control weapon system
- Highly ruggedized
- No additional internal boresighting required
- Built-In Test
- Fully combat proven
- Fully compliant with military standards

Technical Specifications

- General:
  - Weight: <10kg
  - Dimensions: 240 x 220 x 200 cm
  - Power Consumption: 17W @ steady - state
- CCD:
  - Color 1/4" 440k pixels detector
  - FOV: wide or narrow
  - Zoom: Continuous Optical Zoom + Digital Zoom
- Thermal Imager:
  - Detector Type: VOx, 384 x 288
  - Spectral Band: 8 - 12 µm
  - FOV: wide or narrow
  - E - Zoom: x2, x4
- LRF - Ranger 5:
  - Laser Type: Eye - Safe LRF
  - Wavelength: 1.54 µm
  - Range Accuracy: ±5m
  - Range Performance: 2km with 10% reflectivity

Range Performance



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